BEHAVIOR GENETICS

Volume 25, Number 1 **January 1995**

CONTENTS

Cognitive Ability and Academic Achievement in the Colorado Adoption Project: A Multivariate Genetic Analysis of Parent–Offspring and Sibling Data 1
S. J. Wadsworth, J. C. DeFries, D. W. Fulker, and R. Plomin

Etiology of Individual Differences in Reading Performance: A Test of Sex Limitation 17
Maricela Alarcón, J. C. DeFries, and D. W. Fulker

Multivariate Genetic Analysis of Wechsler Intelligence Scale for Children—Revised (WISC-R) Factors 25
Stephanie D. Casto, J. C. DeFries, and D. W. Fulker

Sex-Specific Causal Factors and Effects of Common Environment for Symptoms of Anxiety and Depression in Twins 33
Kristian Tambs, Jennifer R. Harris, and Per Magnus

Reduced Visuospatial Performance in Children with the D2 Dopamine Receptor A1 Allele 45
Steven M. Berman and Ernest P. Noble

Alcohol Consumption by Orientals in North America is Predicted Largely by a Single Gene 59
Guang-Chou Tu and Yedy Israel

Ethanol-Induced Anesthesia in Inbred Strains of Long-Sleep and Short-Sleep Mice: A Genetic Analysis of Repeated Measures Using Censored Data 67
Paul D. Markel, John C. DeFries, and Thomas E. Johnson

Selective Retrieval of Jimpy Mutant Pups Over Normal Male Littermates by Lactating Female B6CBACa-*A*$^{w\text{-}J}$/*A-Ta jp* Mice 75
Valerie J. Bolivar and Richard E. Brown

Genetic Variation in Locomotor Activity Rhythm Among Populations of *Leptopilina heterotoma* (Hymenoptera: Eucoilidae), a Larval Parasitoid of *Drosophila* Species 81
Frédéric Fleury, Roland Allemand, Pierre Fouillet, and Michel Boulétreau

Book Review: The Sexual Brain 91
Scott Hershberger

Announcement 93

BEHAVIOR GENETICS

Volume 25, Number 2 **March 1995**

Special Issue:
Genetic, Environmental, and Situational Factors Mediating the Effects of Nicotine

Genetic, Environmental, and Situational Factors Mediating the Effects of Nicotine—An Introduction 93
David H. Overstreet, Lori Karan, and John A. Rosecrans

Psychiatric Comorbidity of Smoking and Nicotine Dependence 95
Naomi Breslau

Personality and the Inheritance of Smoking Behavior: A Genetic Perspective 103
Andrew C. Heath, Pamela A. F. Madden, Wendy S. Slutske, and Nicholas G. Martin

Individual Variability in Responses to Nicotine 119
Kenneth A. Perkins

Personality, Psychopathology, and Nicotine Response as Mediators of the Genetics of Smoking 133
David G. Gilbert and Brenda O. Gilbert

Genetic and Environmental Aspects of the Role of Nicotinic Receptors in Neurodegenerative Disorders: Emphasis on Alzheimer's Disease and Parkinson's Disease 149
John R. James and Agneta Nordberg

Individual Differences in Sensitivity to Nicotine: Implications for Genetic Research on Nicotine Dependence 161
Ovide F. Pomerleau

Differential Effects of Nicotine in Inbred and Selectively Bred Rodents 179
David H. Overstreet

The Psychopharmacological Basis of Nicotine's Differential Effects of Behavior: Individual Subject Variability in the Rat 187
John A. Rosecrans

LETTER TO THE EDITOR

DNA Markers Associated with High Versus Low IQ: Ethical Considerations 197
Peter S. Harper

BEHAVIOR GENETICS

Volume 25, Number 3 **May 1995**

CONTENTS

The Genetic and Environmental Variance Underlying Elementary Cognitive Tasks 199
Stephen A. Petrill, Lee Anne Thompson, and Douglas K. Detterman

Approximate Solutions for the Maximum-Likelihood Estimates in Models of Univariate Human Twin Data 211
U. W. L. Wijesiri and Christopher J. Williams

A Pilot Swedish Twin Study of Affective Illness Including Hospital- and Population-Ascertained Subsamples: Results of Model Fitting 217
Kenneth S. Kendler, Nancy L. Pedersen, Michael C. Neale, and Aleksander A. Mathé

C3.SW-*Soa*^{a} Heterozygous Congenic Taster Mice 233
John D. Boughter Jr. and Glayde Whitney

Activity Pattern and Rhythm in the Subterranean Mole Rat Superspecies *Spalax ehrenbergi* 239
Rachel Ben-Shlomo, Uzi Ritte, and Eviatar Nevo

A Comparison Between House Mouse Lines Selected for Attack Latency of Nest-Building: Evidence for a Genetic Basis of Alternative Behavioral Strategies 247
Frans Sluyter, Abel Bult, Carol B. Lynch, Geert A. van Oortmerssen, and Jaap M. Koolhaas

Behavior Genetics Association Meeting: Abstracts 253

Heredity, Nervous System, and Behavior: Symposium Abstracts 297

BEHAVIOR GENETICS

Volume 25, Number 4 **July 1995**

CONTENTS

Selection for Increased Female Sexual Receptivity in *Raised* Stocks of *Drosophila melanogaster* 303
Scott P. McRobert, Fred B. Schnee, and Laurie Tompkins

Multiple Raters of Disruptive Child Behavior: Using a Genetic Strategy to Examine Shared Views and Bias 311
Emily Simonoff, Andrew Pickles, John Hewitt, Judy Silberg, Michael Rutter, Rolf Loeber, Joanne Meyer, Michael Neale, and Lindon Eaves

Physical Similarity and the Equal-Environment Assumption in Twin Studies of Psychiatric Disorders 327
John M. Hettema, Michael C. Neale, and Kenneth S. Kendler

Unequal Rate of Monozygotic and Like-Sex Dizygotic Twin Birth: Evidence from the Minnesota Twin Family Study 337
Yoon-Mi Hur, Matt McGue, and William G. Iacono

Genetic Analysis of Peripheral Nerve Conduction Velocity in Twins 341
F. V. Rijsdijk, D. I. Boomsma and P. A. Vernon

A Multivariate Genetic Analysis of Sensation Seeking 349
Judith R. Koopmans, Dorret I. Boomsma, Andrew C. Heath, and Lorenz J. P. van Doornen

Intermale Aggression Tested in Two Procedures, Using Four Inbred Strains of Mice and Their Reciprocal Congenics: Y Chromosomal Implications 357
Pascale-Valérie Guillot, Michèle Carlier, Stephen C. Maxson, and Pierre L. Roubertoux

Predatory Aggression in Male Mice Selectively Bred for Isolation-Induced Intermale Aggression 361
N. Kenneth Sandnabba

Studies on Wild House Mice (VIII): Postnatal Maternal Influences on Intermale Aggression in Reciprocal F_1's 367
Frans Sluyter, Bianca J. Meijeringh, Geert A. van Oortmerssen, and Jaap M. Koolhaas

Genetic Analysis of the Relationships Between Behavioral and Neuroendocrine Traits in Roman High and Low Avoidance Rat Lines 371
Nathalie Castanon, Fernando Perez-Diaz, and Pierre Mormède

Organization of Motor and Posture Patterns in Paradise Fish (*Macropodus opercularis*): Environmental and Genetic Components of Phenotypical Correlation Structures 385
Robert Gerlai and Wim E. Crusio

Oligogenic Determination of Morphine Analgesic Magnitude: A Genetic Analysis of Selectively Bred Mouse Lines 397
Jeffrey S. Mogil, Pamela Flodman, M. Anne Spence, Wendy F. Sternberg, Benjamin Kest, Bogdan Sadowski, John C. Liebeskind, and John K. Belknap

BEHAVIOR GENETICS

Volume 25, Number 5 **September 1995**

CONTENTS

Development and Familiality of Sexual Orientation in Females 407
Angela M. L. Pattatucci and Dean H. Hamer

Heritability of Cognitive Abilities in Adult Twins: Comparison of Minnesota and Swedish Data 421
Deborah Finkel, Nancy L. Pedersen, Matt McGue, and Gerald E. McClearn

A Gene–Culture Model of Human Handedness 433
Kevin N. Laland, Jochen Kumm, John D. Van Horn, and Marcus W. Feldman

Genetic vs. Environmental Contributions to Human Handedness: Insights Gained from Studying Individuals with Unilateral Hand Injuries 447
Clare Porac

Intrapair Differences in Personality and Cognitive Ability Among Young Monozygotic Twins Distinguished by Chorion Type 457
Deborah Karras Sokol, Cynthia A. Moore, Richard J. Rose, Christopher J. Williams, Terry Reed, and Joe C. Christian

Nonrandom Mating in the Two-Spot Ladybird (*Adalia bipunctata*): The Influence of Weight on Mating Success 467
I. P. M. Tomlinson, P. W. E. Kearns, and C. J. Veltman

Congenic AB Mice: A Novel Means for Studying the (Molecular) Genetics of Aggression 475
Regine Schneider-Stock and Jörg T. Epplen

Potential Stock Differences in the Social Behavior of Rats in a Situation of Restricted Access to Food 483
Rémi Helder, Didier Desor, and Anne-Marie Toniolo

Quantitative Trait Loci Associated with the Behavioral Response of B×D Recombinant Inbred Mice to Restraint Stress: A Preliminary Communication 489
B. J. Tarricone, J. N. Hingtgen, J. K. Belknap, S. R. Mitchell, and J. I. Nurnberger, Jr.

Announcement 497

BEHAVIOR GENETICS

Volume 25, Number 6 **November 1995**

CONTENTS

A Twin-Family Study of Self-Report Symptoms of Panic–Phobia and Somatization 499
Kenneth S. Kendler, Ellen E. Walters, Kim R. Truett, Andrew C. Heath, Michael C. Neale, Nicholas G. Martin, and Lindon J. Eaves

Family Patterns in Handedness: Evidence for Indirect Inheritance Mediated by Birth Stress 517
Stanley Coren

Parental Hand Preference and Manual Functional Asymmetry in Preschool Children 525
Florence Curt, Maria De Agostini, Jean Maccario, and Georges Dellatolas

Childhood Hyperactivity Scores Are Highly Heritable and Show Sibling Competition Effects: Twin Study Evidence 537
Anita Thapar, Amaia Hervas, and Peter McGuffin

Quantitative Trait Loci (QTL) for Circadian Rhythms of Locomotor Activity in Mice 545
John R. Hofstetter, Aimee R. Mayeda, Bernard Possidente, and John I. Nurnberger, Jr.

Genetic Analysis of Anxiety-Related Behaviors and Responses to Benzodiazepine-Related Drugs in AXB and BXA Recombinant Inbred Mouse Strains 557
Chantal Mathis, Paul E. Neumann, Howard Gershenfeld, Steven M. Paul, and Jacqueline N. Crawley

Influence of Dystrophin–Gene Mutation on *mdx* Mouse Behavior. I. Retention Deficits at Long Delays in Spontaneous Alternation and Bar-Pressing Tasks 569
Cyrille Vaillend, Alvaro Rendon, René Misslin, and Arielle Ungerer

Genetic Evidence that Ovulation Reduces Sexual Receptivity in *Drosophila melanogaster* Females 581
Yoshiaki Fuyama

Secretary's Report from the 25th Annual Meeting of the Behavior Genetics Association 589

Referees for Volume 25 591

Author Index for Volume 25 593

Subject Index for Volume 25 599